

Title (en)

IMAGE DISPLAY DEVICE AND OPERATION METHOD THEREOF

Title (de)

BILDANZEIGEVORRICHTUNG UND BETRIEBSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF D'AFFICHAGE D'IMAGE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 4087264 A4 20230906 (EN)

Application

EP 19958217 A 20191230

Priority

KR 2019018727 W 20191230

Abstract (en)

[origin: US2021201726A1] An image display apparatus includes: a housing; a display for displaying an image; a driving unit configured to change a size of a display area exposed to the outside of the housing among an entire area of the display; and a controller, wherein the controller determines whether an image displayed through at least a portion of the display area is a static image, when the size of the display area is smaller than the size of the entire area, determines whether the image is displayed for a certain time or longer, when the image is the static image, controls the driving unit to change the size of the display area, when the image is displayed for the certain time or longer, and controls the display so that the image is displayed in response to a degree of change in the size of the display area.

IPC 8 full level

H04N 21/462 (2011.01); **G09F 9/30** (2006.01); **G09G 3/00** (2006.01); **H04N 21/422** (2011.01)

CPC (source: EP US)

G09G 3/035 (2020.08 - EP US); **G09G 2320/0257** (2013.01 - EP); **G09G 2320/046** (2013.01 - EP); **G09G 2320/0686** (2013.01 - EP); **G09G 2320/103** (2013.01 - EP); **G09G 2340/0442** (2013.01 - EP US); **G09G 2340/0464** (2013.01 - EP); **G09G 2360/16** (2013.01 - EP); **G09G 2380/02** (2013.01 - EP US)

Citation (search report)

- [XYI] EP 3506247 A1 20190703 - LG DISPLAY CO LTD [KR]
- [Y] KR 20160019341 A 20160219 - LG ELECTRONICS INC [KR]
- [Y] WO 2018216865 A1 20181129 - LG ELECTRONICS INC [KR]
- See references of WO 2021137309A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 11600211 B2 20230307; **US 2021201726 A1 20210701**; EP 4087264 A1 20221109; EP 4087264 A4 20230906;
WO 2021137309 A1 20210708

DOCDB simple family (application)

US 202017138402 A 20201230; EP 19958217 A 20191230; KR 2019018727 W 20191230